Service Manual Cordless Hammer Drill Driver

EY6950-U1



SPECIFICATIONS

MAIN UNIT

Motor			DC Motor 18V			
Capability	Screw driving	Wood screw	∲ 4.2mm (3/16") x 75mm (3")			
		Self-drilling screw	ϕ 3mm (1/8") x 13mm (1/2") SPC t = 1.6mm (1/16")			
		Masonry screw	ϕ 6.5mm (1/4") x 35mm (1-3/8") Soft concrete, Soft brick, Mortar			
	Drilling	Masonry	ϕ 13mm (1/2") x 40mm (1-9/16") Soft concrete, Soft brick, Mortar			
		Wood	ϕ 50mm (2") Yellow pine t = 38mm (1-1/2")			
		Metal	∲ 13mm (1/2") SPC t = 1.6mm (1/16")			
No load speed LOW HIGH		LOW	75-450/min (rpm)			
		HIGH	250-1550/min (rpm)			
Blows rate per minute –		LOW	1400-8100/min (rpm)			
		HIGH	4500-28000/min (rpm)			
Chuck capacity			ϕ 1.5 – ϕ 13mm (1/16" – 1/2")			
Stag		ge 1-15	Approx. 2Nm (20kgf-cm, 18in-lbs.) - 12Nm (122kgf-cm, 106in-l			
Chuck stage	e		For powerful driving and drilling.			
		•	Percussion			
Overall length			255mm (10")			
Weight (with battery pack)			2.7kg (5.9lbs.)			

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

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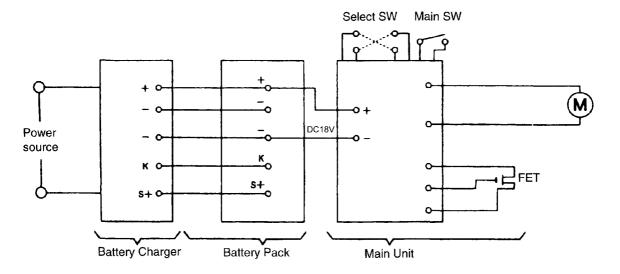
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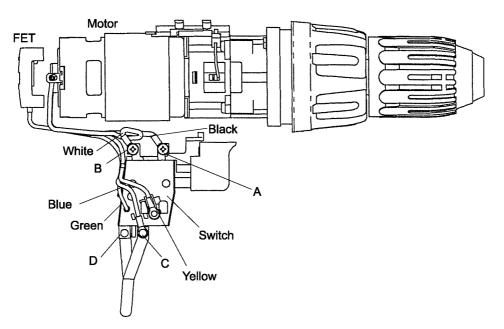
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SCHEMATIC DIAGRAM

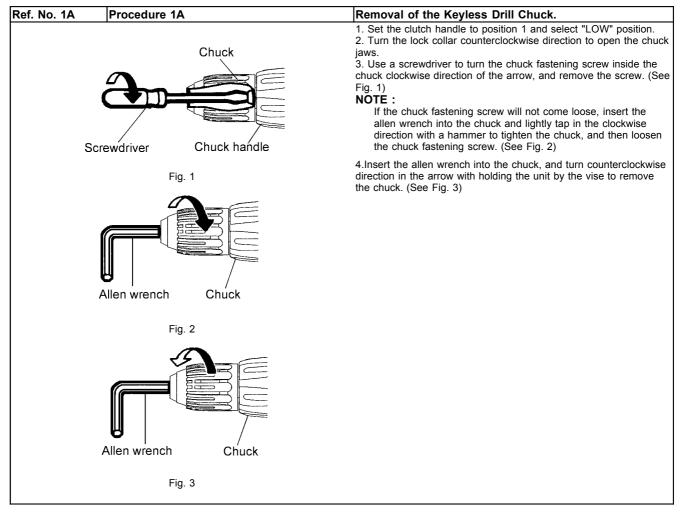


2 WIRING CONNECTION DIAGRAM



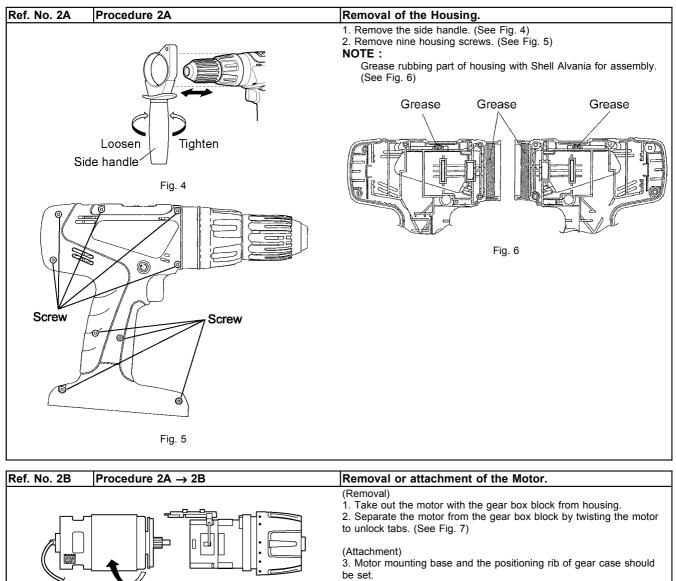
3 DISASSEMBLY/ASSEMBLY INSTRUCTIONS

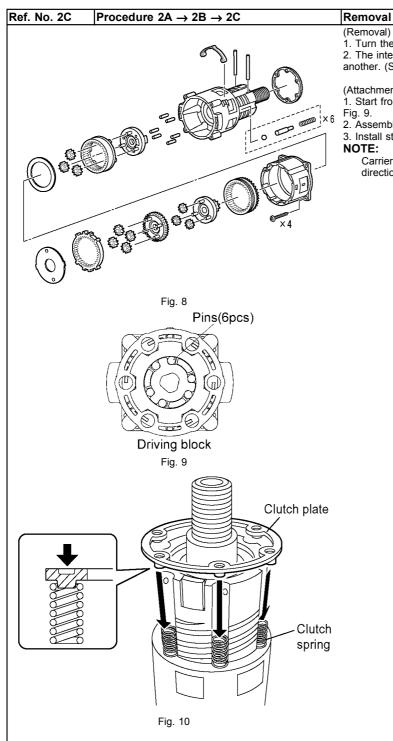
■HOW TO DISASSEMBLE KEYLESS CHUCK.



■HOW TO DISASSEMBLE MAIN UNIT.

Remove Fig. 7





Removal or attachment of the Gear Box Block.

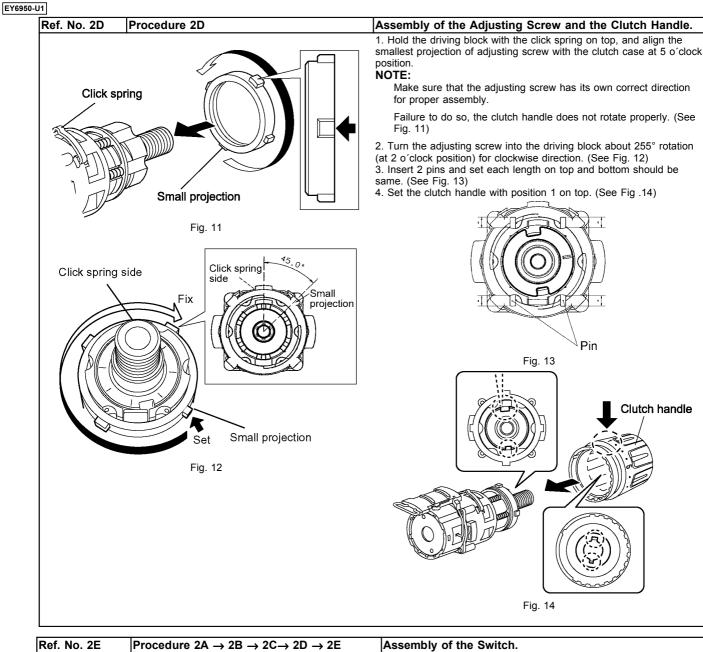
1. Turn the thrust plate to remove.

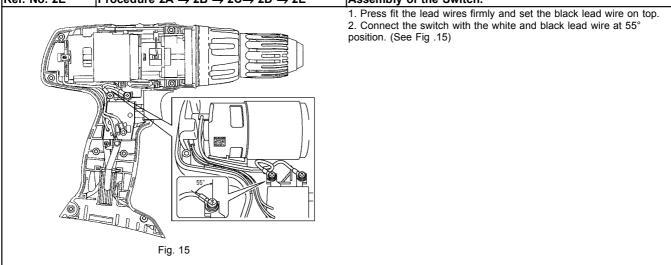
2. The internal parts of gear box block can be removed one after another. (See Fig. 8)

(Attachment) 1. Start from inserting 6 pins into the driving block as shown in the Fig. 9. 2. Assemble the other parts in reverse order as shown in the Fig. 8.

3. Install steel balls, pins and clutch springs into 6 holes. (See Fig. 10)

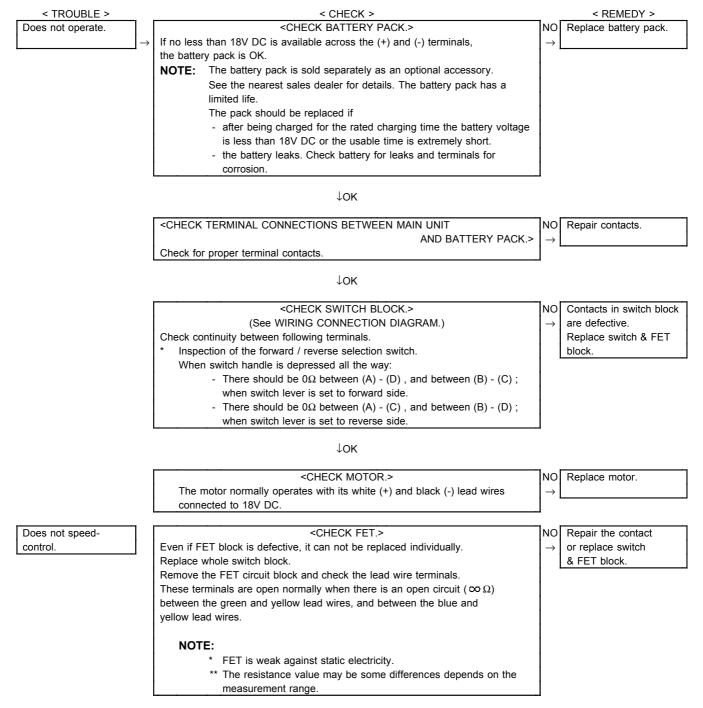
Carrier, Ring gear, and Clutch plate have their own correct directions for proper assembly.

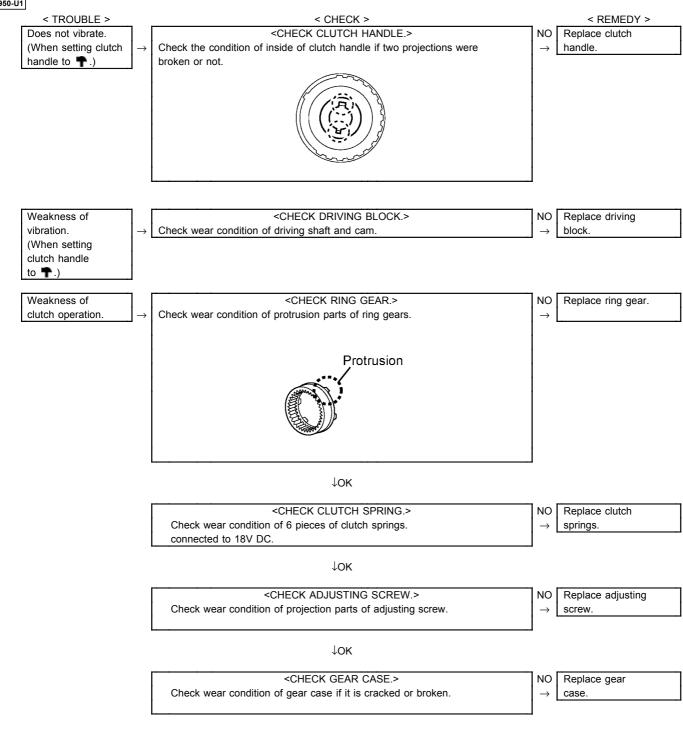




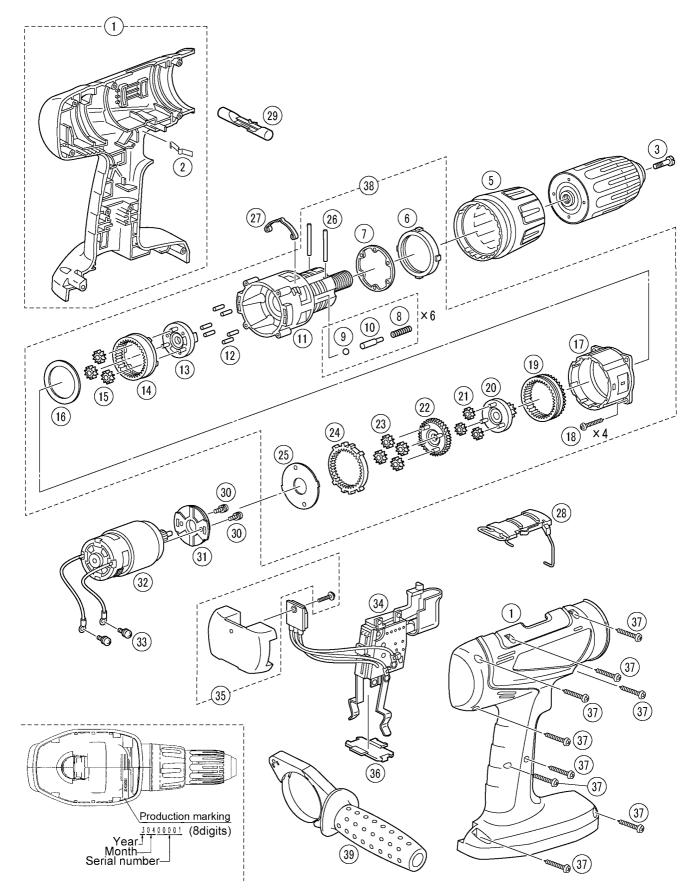
4 TROUBLESHOOTING GUIDE

(Refer to WIRING CONNECTION DIAGRAM)





5 EXPLODED VIEW



EY6950-U1

6 REPLACEMENT PARTS LIST

NOTE:

*B=only available as set

*C=available individually

Ref.No.	Part No.	Part Name & Description	Remarks			Per Unit
1	WEY6950K3078	HOUSING AB SET			▲	1
2	EY6481L0177	CLICK SPRING				1
3	WEY6450L6808	CHUCK FASTENING SCREW			▲	1
5	WEY6950Y3228	CLUTCH HANDLE			▲	1
6	WEY6450L0638	ADJUSTING SCREW			▲	1
7	WEY6450L0578	CLUTCH PLATE			▲	1
8	WEY6450L0168	CLUTCH SPRING	*B	(6pcs/PK)	▲	6
9	WEY6813L1927	STEEL BALL	*в	(6pcs/PK) \$\$	▲	6
10	WEY6450L0388	PIN	*B	(6pcs/PK) \$\$.3*20.3	▲	6
11	WEY6950L1078	DRIVING BLOCK			▲	1
12	EY6283L0377	PIN	*B	(6pcs/PK) \$\\$.175*7.2		6
13	EY6901L1107	CARRIER				1
14	WEY6450L1488	RING GEAR			▲	1
15	WEY6450L1348	PLANET GEAR	*B	(3pcs/PK)	▲	3
16	WEY6450L0858	THRUST PLATE			▲	1
17	WEY6450L1768	GEAR CASE			▲	1
18	EY6406K9038	TORX TAPPING SCREW	*C	K3-12	▲	4
19	WEY6450L1128	CARRIER A			▲	1
20	WEY6450L1358	PLANET GEAR A	*B	(3pcs/PK)	▲	3
21	WEY6200B1468	RING GEAR B			▲	1
22	WEY6950L1118	CARRIER			▲	1
23	WEY6950L1478	RING GEAR			▲	1
24	EY6230L1367	PLANET GEAR	*B	(4pcs/PK)		4
25	WEY6450L0868	THRUST PLATE			▲	1
26	WEY6950L0358	PIN	*B	(2pcs/PK)		2
27	WEY6450L0178	CLICK SPRING A			▲	1
28	WEY6450Y3238	H/L CHANGE HANDLE			▲	1
29	WEY6405Y3248	F/R SELECTOR HANDLE			▲	1
30	EYT184L6077	SCREW	*C	K4-6		2
31	WEY6450L0028	MOTOR MOUNTING PLATE			▲	1
32	WEY6450L1008	DC MOTOR			▲	1
33	WEY6450S6028	SEMS SCREW	*C	К3-5	▲	2
34	WEY6950Y2008	SWITCH			▲	1
35	EY6406L2568	HEAT SINK		with a screw	▲	1
36	EY6230L0207	DUST PREVENTIVE PLATE			▲	1
37	EY6230K9218	TORX TAPPING SCREW	*C	K3-20	▲	9
38	WEY6950L1458	GEAR BOX BLOCK			▲	1
39	WEY6450K4628	SIDE HANDLE			▲	1
-	WEY6950K8108	OPERATING INSTRUCTIONS			▲	1

**Battery Pack, Keyless Chuck, and Tool Case are available as an optional accessory.

See the nearest sales dealer for details.

***For replacement parts of charger, see the charger service manual.

Charger complete set is available as an optional accessory. See the nearest sales dealer for details.